


- **8-17.** Use the process you developed in problem 8-14 to factor the following quadratics, if possible. [Homework Help](#) 

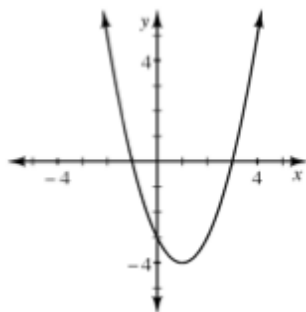
a. $x^2 - 4x - 12$

b. $4x^2 + 4x + 1$

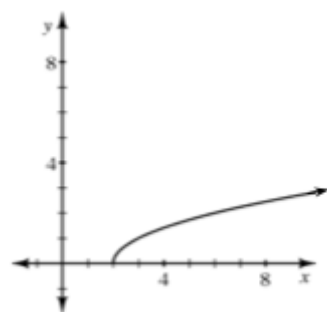
c. $2x^2 - 9x - 5$

d. $3x^2 + 10x - 8$

- **8-18.** For each rule represented below, state the x - and y -intercepts, if possible. [Homework Help](#) 



a.




b.

c.


x	-5	-4	-3	-2	-1	0	1	2
y	8	4	0	-4	0	2	0	-4

d. $5x - 2y = 40$

- **8-21.** Find the point of intersection for each system. [Homework Help](#) 

a. $y = 2x - 3$
 $x + y = 15$

b. $3x = y - 2$
 $6x = 4 - 2y$

- **8-22.** Solve each equation below for the given variable, if possible. [Homework Help](#) 

a. $\frac{4x}{5} = \frac{x-2}{7}$

b. $-3(2b - 7) = -3b + 21 - 3b$

c. $6 - 2(c - 3) = 12$

- **8-23.** Find the equation of the line that passes through the points $(-800, 200)$ and $(-400, 300)$. [Homework Help](#) 